

25X1

Approved For Release 2004/02/12 : CIA-RDP79B00314A000900050011-6

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10 August 1965

MEMORANDUM FOR: EO/ORD

SUBJECT : MBSD/ORD Research in Support of NPIC Photo-  
interpretation Problems

1. MBSD/ORD has the following research project proposals and funds obligated for FY66 in the photointerpretation problem area.

- a. Photointerpretation - Visual Target Detection and Machine Simulation -  25X1
- b. Construction of Retinal Simulator -  25X1
- c. Hardware for neurophysiological measurement of visual pathway function -  25X1

2. These projects represent initial steps being taken by MBSD/ORD in a program of studies of human factors involved in photointerpretation with the objectives of, first, enhancing the photointerpreters performance in handling the mass of material received at NPIC, and second, investigating and modeling the visual processes involved in target detection for the purpose of developing automated or semi-automated systems to assist the photointerpreter.

3. Plans have been made to allow one MBSD/ORD officer to monitor and analyse NPIC photointerpretation operations to identify problems and make recommendations for improvement of human factors in photointerpretation.

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